

FIG. 1

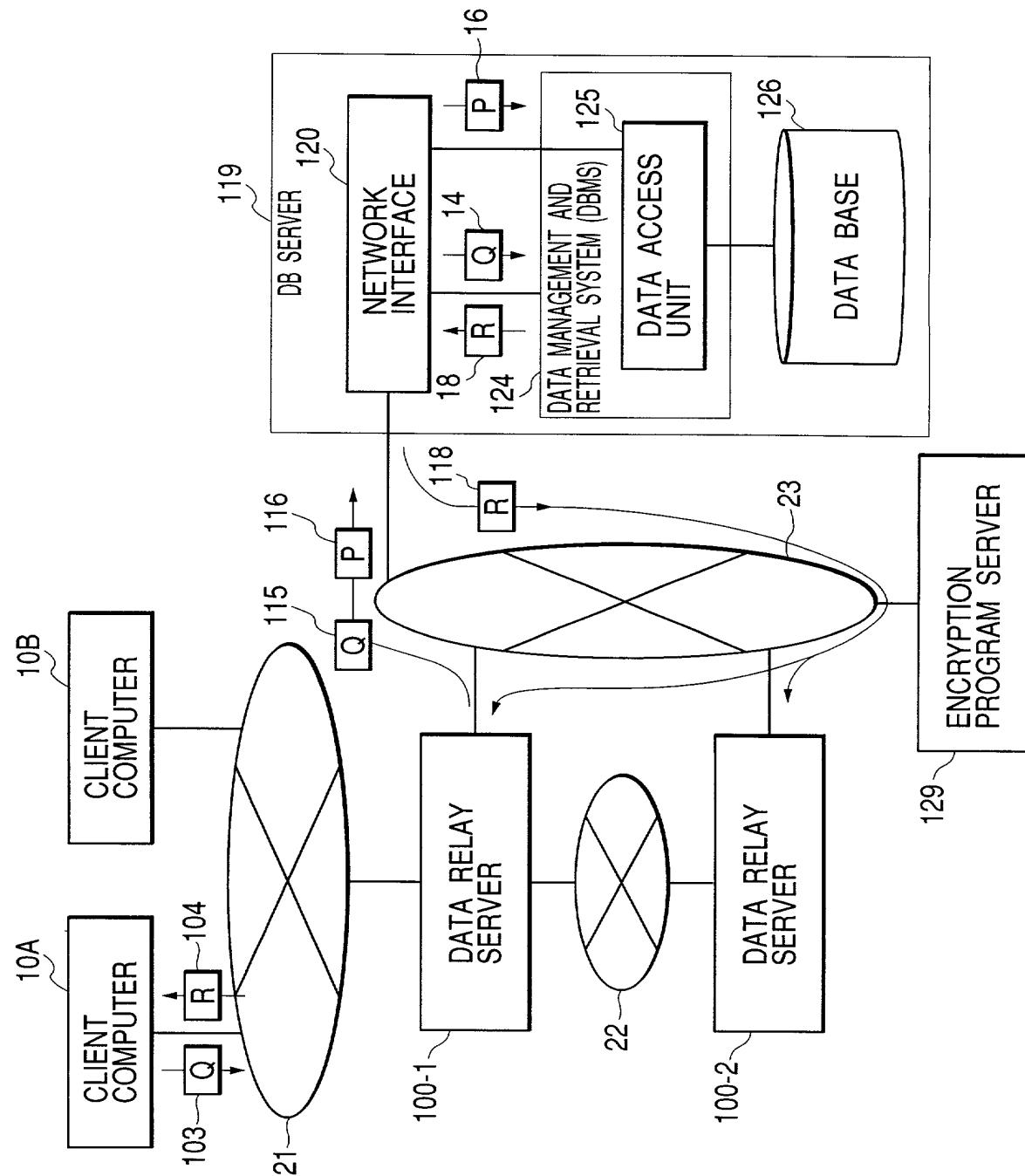


FIG. 2

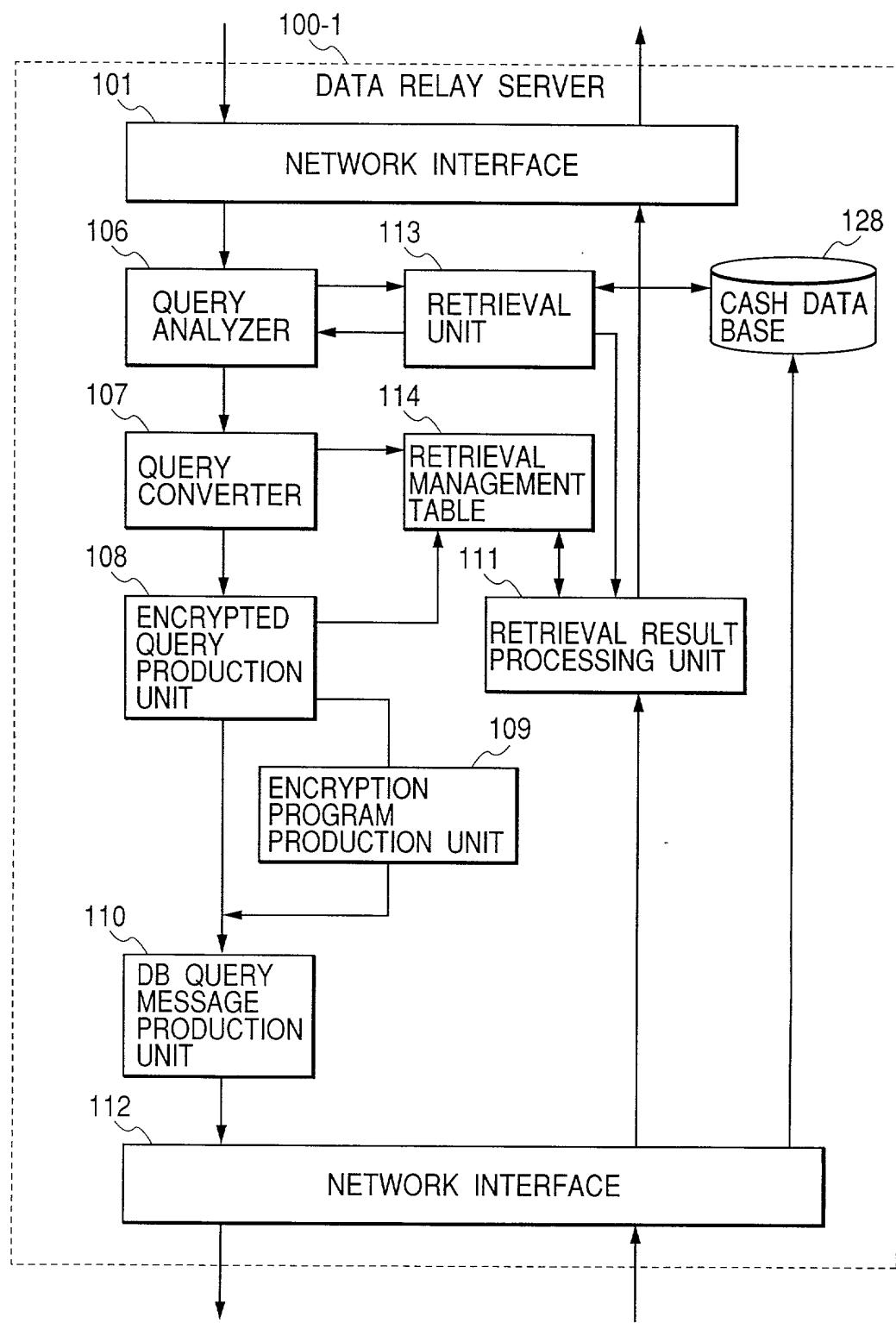
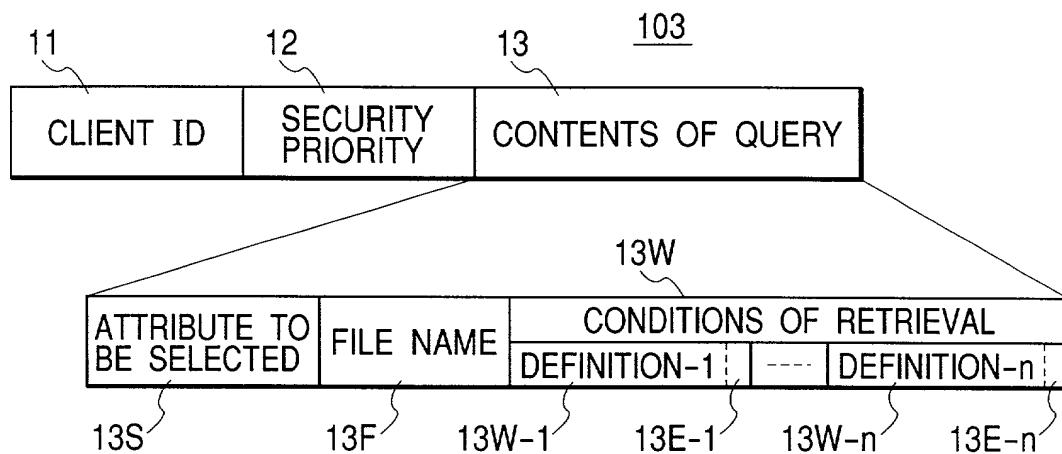
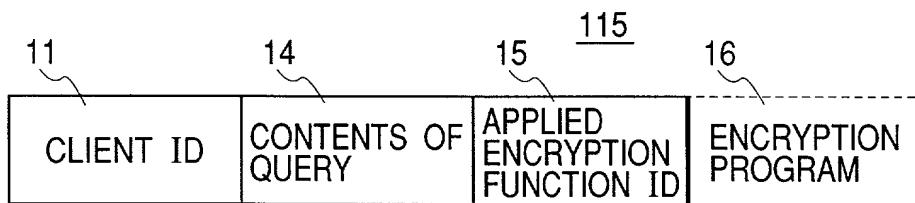


FIG. 3**FIG. 4****FIG. 5**114 RETRIEVAL MANAGEMENT TABLE

1141	1142	1143	1144	1145
CLIENT ID	CONTENTS OF ORIGINAL QUERY	CONTENTS OF CONVERTED QUERY	TYPE OF CONVERSION	1:1 CONVERSION FLAG

EN-1
 EN-2

FIG. 6

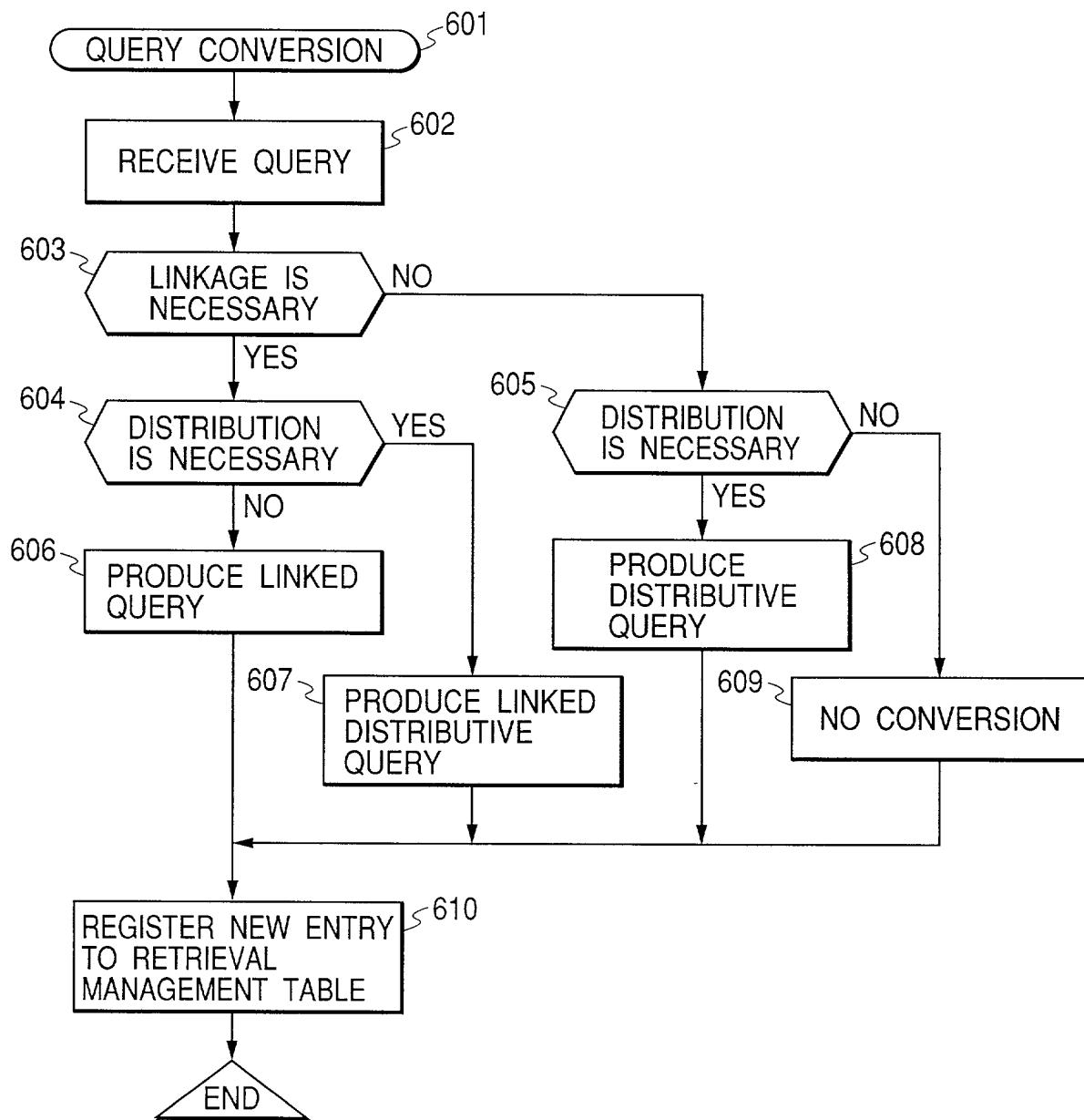


FIG. 7A801 SAVING BALANCE TABLE

802 CUSTOMER ID	803 BRANCH	804 SAVING AMOUNT
060001895	SINJUKU	1,050,000
061089288	IKEBUKURO	125,000
060102952	SINJUKU	120,000
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FIG. 7B

QUERY Q1 :

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
  FROM SAVING BALANCE TABLE
 WHERE SAVING AMOUNT >= 1,000,000 ; } 805
```

FIG. 7C

QUERY Q2 :

```
SELECT CUSTOMER ID, SAVING AMOUNT
  FROM SAVING BALANCE TABLE
 WHERE SAVING AMOUNT <= 10,000 ; } 806
```

FIG. 7D

LINKED QUERY :

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
  FROM SAVING BALANCE TABLE
 WHERE SAVING AMOUNT >= 1,000,000 OR
       SAVING AMOUNT <= 10,000 ; } 807
```

FIG. 7E

DISTRIBUTIVE QUERY DQ1 :

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
  FROM SAVING BALANCE TABLE
 WHERE ( SAVING AMOUNT >= 1,000,000 OR
       SAVING AMOUNT <= 10,000 )
       AND BRANCH = 'SINJUKU' ; } 808
```

FIG. 7F

DISTRIBUTIVE QUERY DQ2 :

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
  FROM SAVING BALANCE TABLE
 WHERE ( SAVING AMOUNT >= 1,000,000 OR
       SAVING AMOUNT <= 10,000 )
       AND BRANCH <> 'SINJUKU' ; } 809
```

FIG. 8

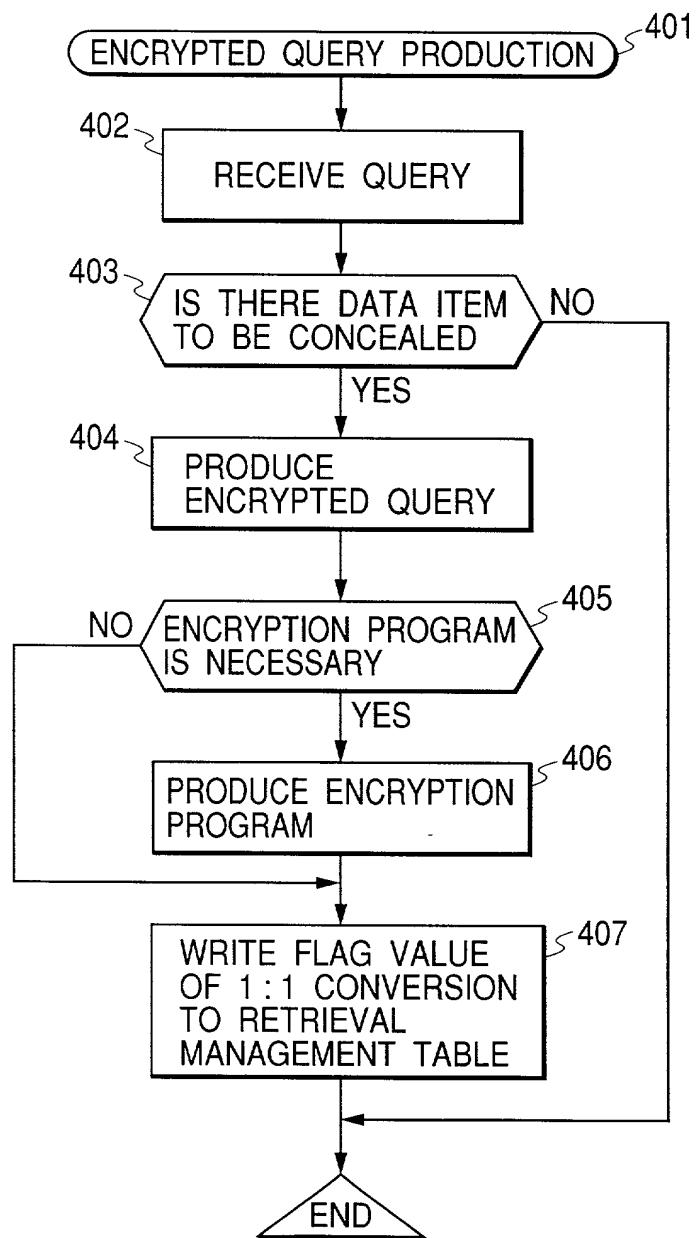


FIG. 9A

901 GENE ARRANGEMENT TABLE

NAME	RELATED LINK	ARRANGEMENT STRUCTURE
abcd	site A	atcg
efgh	site B	tggctg
ijkl	site C	ccttt
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FIG. 9B

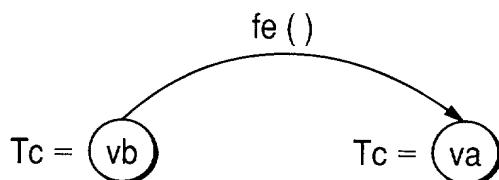
QUERY Q3 :

```
SELECT NAME, RELATED LINK
      FROM GENE ARRANGEMENT TABLE
     WHERE ARRANGEMENT STRUCTURE = ' atcg' ; } 905
```

FIG. 9C

QUERY Q4 :

```
SELECT NAME, RELATED LINK, ARRANGEMENT
      STRUCTURE
      FROM GENE ARRANGEMENT TABLE
     WHERE ARRANGEMENT STRUCTURE = '@2aSzE' ; } 906
```

FIG. 10

Tc : DATA ITEM TO BE CONCEALED

fe () : ENCRYPTION FUNCTION

vb : ORIGINAL DATA VALUE

va : ENCRYPTED DATA VALUE

FIG. 11

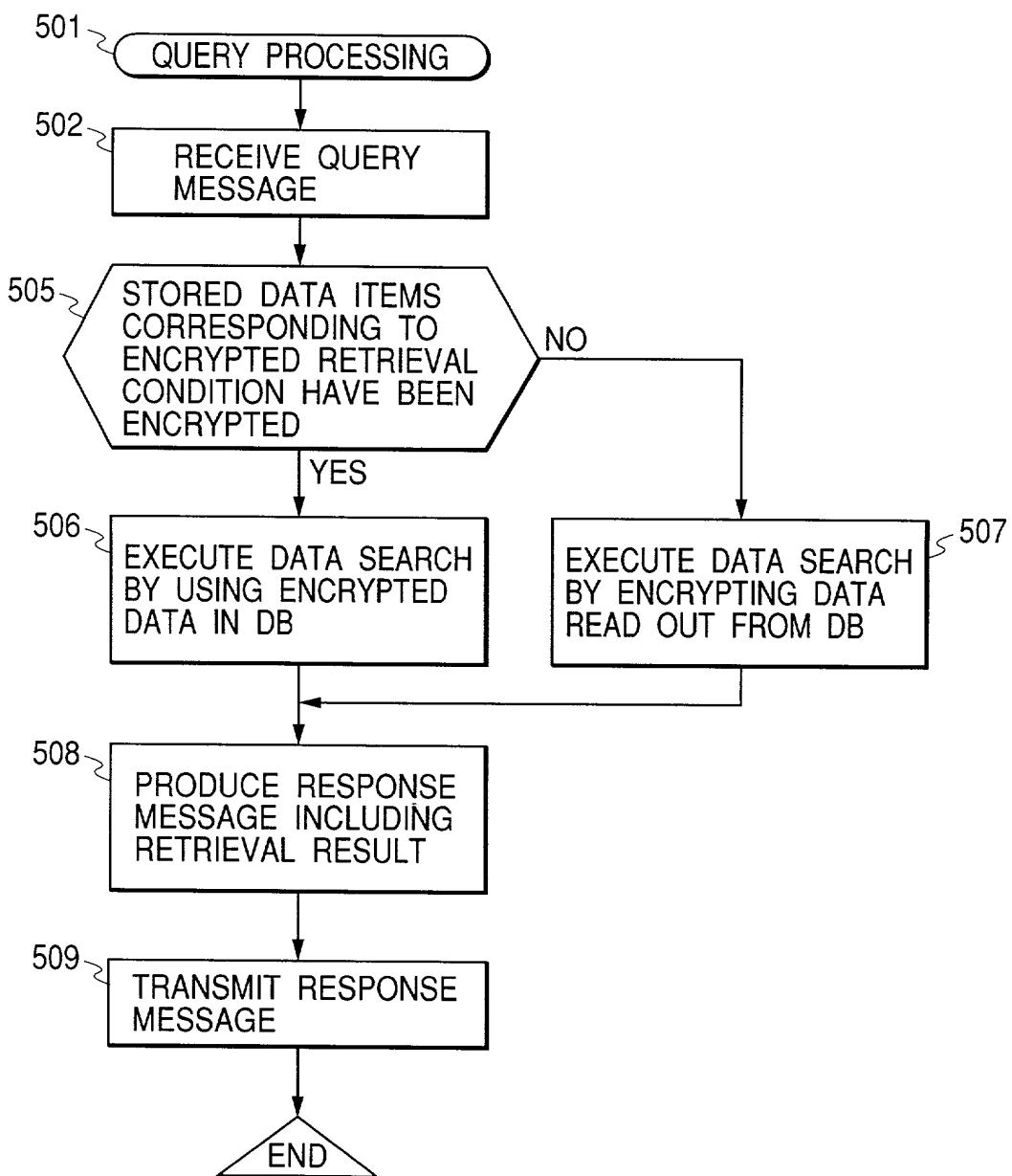


FIG. 12

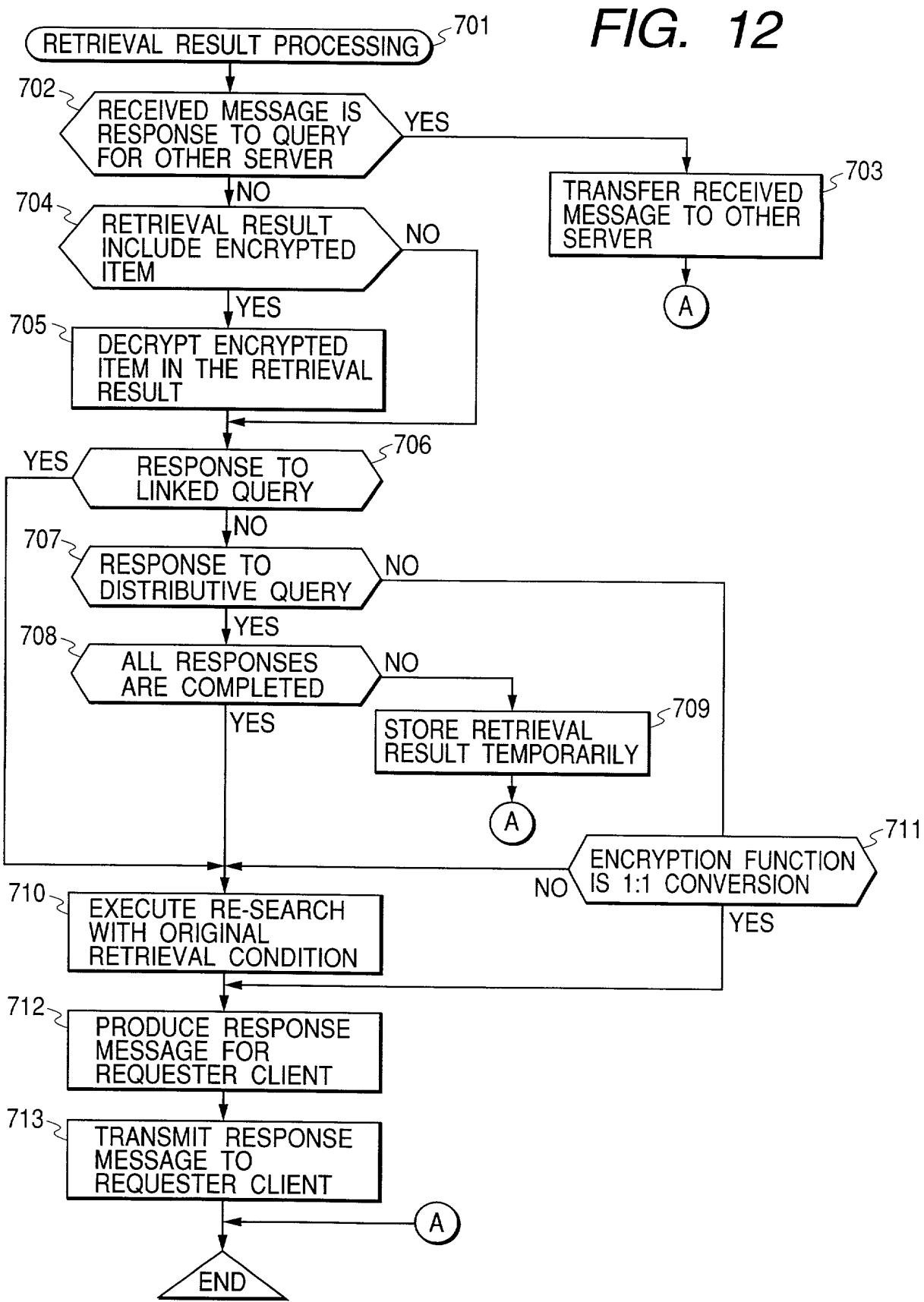


FIG. 13
PRIOR ART

